

Data Path : Z:\voasrv\HPCHEM1\MSVOA_Y\Data\VY122922\
 Data File : VY012030.D
 Acq On : 29 Dec 2022 16:02
 Operator : KP/MD
 Sample : N6228-10
 Misc : 4.39g/5.0mL/MSVOA_Y/SOIL
 ALS Vial : 12 Sample Multiplier: 1

Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

Quant Time: Dec 30 03:59:51 2022
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_Y\methods\82Y122022S.M
 Quant Title : SW846 8260
 QLast Update : Tue Dec 20 12:37:37 2022
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

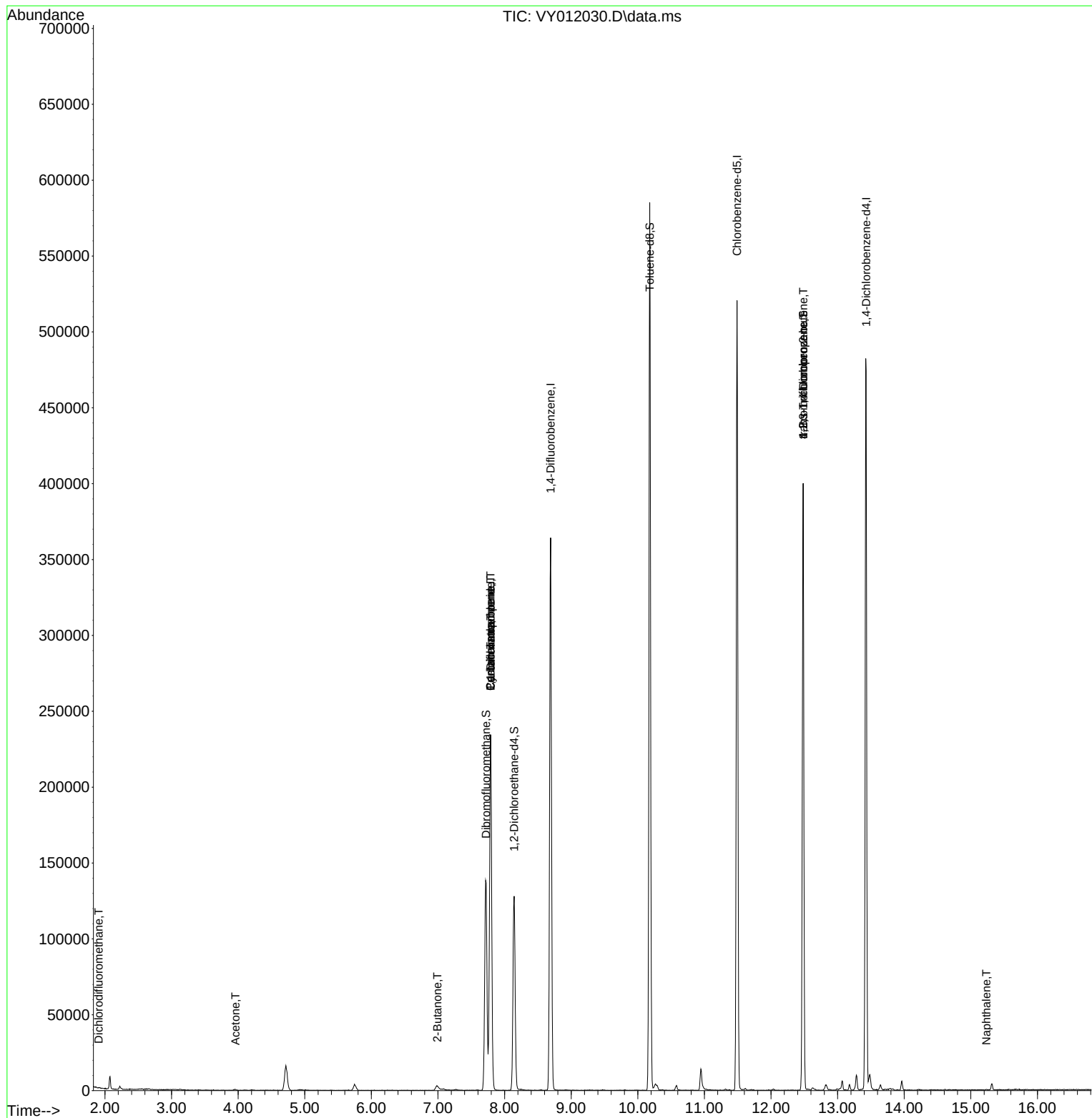
Internal Standards						
1) Pentafluorobenzene	7.789	168	183110	50.000	ug/l	0.00
34) 1,4-Difluorobenzene	8.691	114	314875	50.000	ug/l	0.00
63) Chlorobenzene-d5	11.490	117	291269	50.000	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.428	152	129078	50.000	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	8.143	65	106149	57.540	ug/l	0.00
Spiked Amount	50.000	Range	50 - 163	Recovery	= 115.080%	
35) Dibromofluoromethane	7.722	113	96016	50.651	ug/l	0.00
Spiked Amount	50.000	Range	54 - 147	Recovery	= 101.300%	
50) Toluene-d8	10.179	98	379788	49.381	ug/l	0.00
Spiked Amount	50.000	Range	49 - 140	Recovery	= 98.760%	
62) 4-Bromofluorobenzene	12.483	95	118993	46.003	ug/l	0.00
Spiked Amount	50.000	Range	25 - 144	Recovery	= 92.000%	
Target Compounds						
					Qvalue	
2) Dichlorodifluoromethane	1.906	85	152	2.566	ug/l #	41
11) Tert butyl alcohol	4.930	59	379	Below Cal	#	74
16) Acetone	3.960	43	988	6.633	ug/l	98
20) Methylene Chloride	4.716	84	12370	Below Cal		91
25) 2-Butanone	6.990	43	780	1.269	ug/l #	85
31) Cyclohexane	7.789	56	3396	1.094	ug/l #	1
36) 1,1-Dichloropropene	7.789	75	12848	4.225	ug/l #	49
38) Carbon Tetrachloride	7.789	117	17811	5.072	ug/l #	19
76) 1,2,3-Trichloropropane	12.483	75	62890	39.155	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.483	75	62890	107.227	ug/l #	13
95) Naphthalene	15.233	128	332	2.844	ug/l #	69

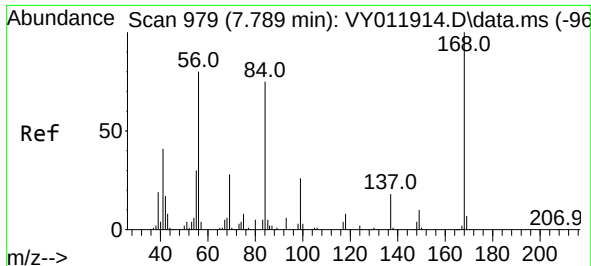
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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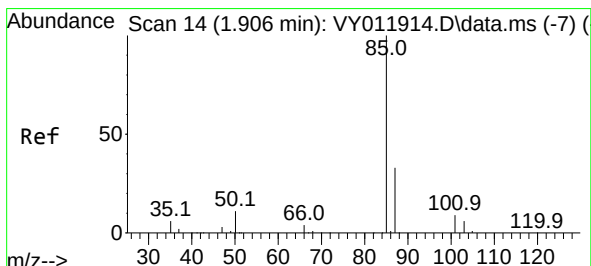
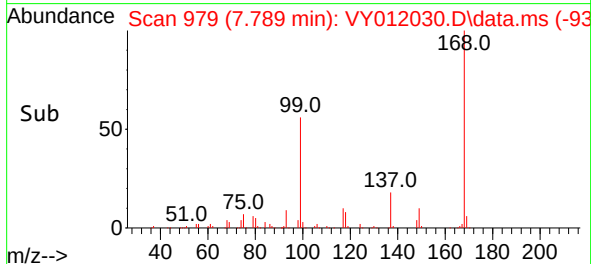
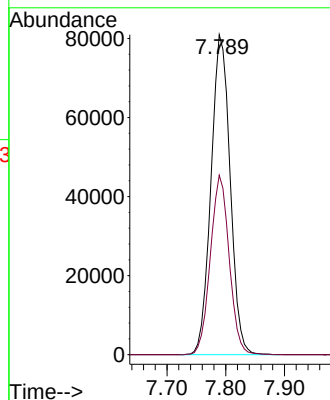
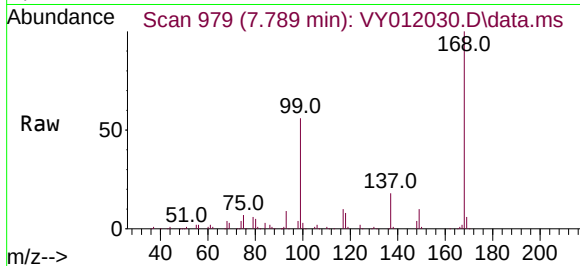




#1
Pentafluorobenzene
Concen: 50.000 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.000 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

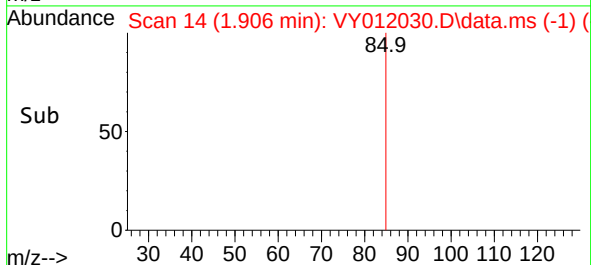
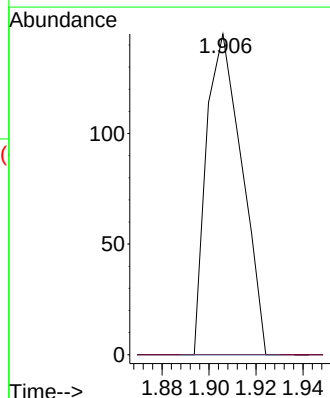
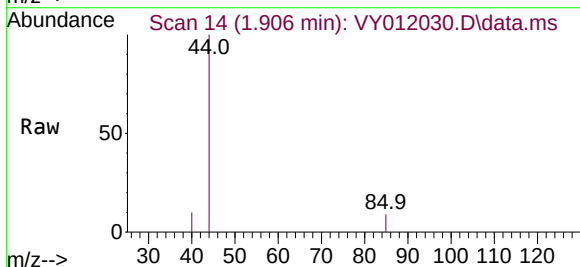
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

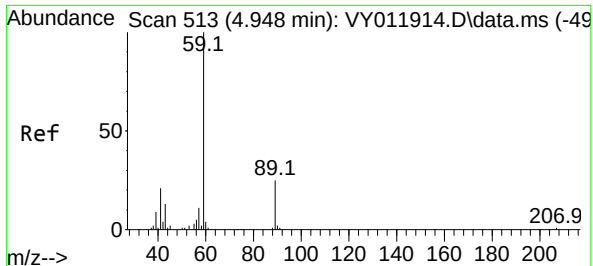
Tgt Ion:168 Resp: 183110
Ion Ratio Lower Upper
168 100
99 56.1 44.0 66.0



#2
Dichlorodifluoromethane
Concen: 2.566 ug/l
RT: 1.906 min Scan# 14
Delta R.T. -0.000 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

Tgt Ion: 85 Resp: 152
Ion Ratio Lower Upper
85 100
87 0.0 16.8 50.4#





#11

Tert butyl alcohol

Concen: Below Cal

RT: 4.930 min Scan# 513

Delta R.T. -0.018 min

Lab File: VY012030.D

Acq: 29 Dec 2022 16:02

Instrument :

MSVOA_Y

ClientSampleId :

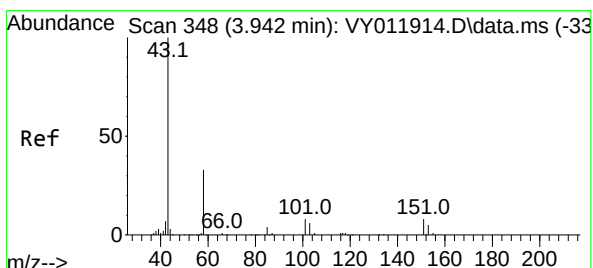
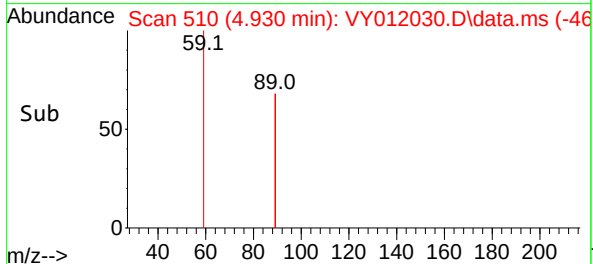
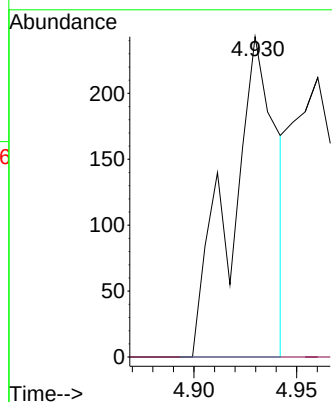
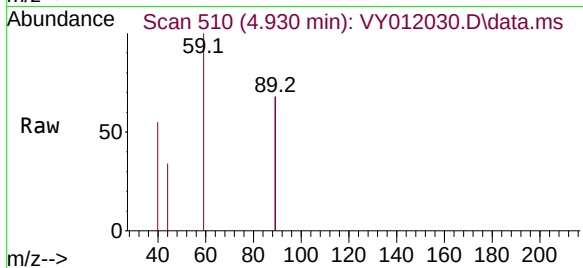
TP-4

Tgt Ion: 59 Resp: 379

Ion Ratio Lower Upper

59 100

57 0.0 7.4 11.2#



#16

Acetone

Concen: 6.633 ug/l

RT: 3.960 min Scan# 351

Delta R.T. 0.012 min

Lab File: VY012030.D

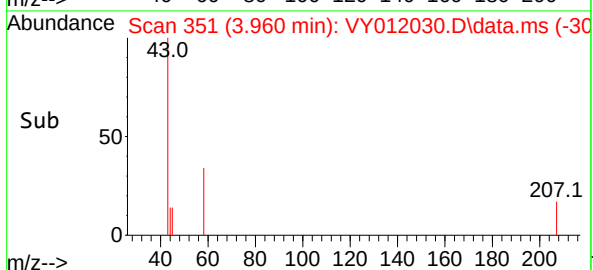
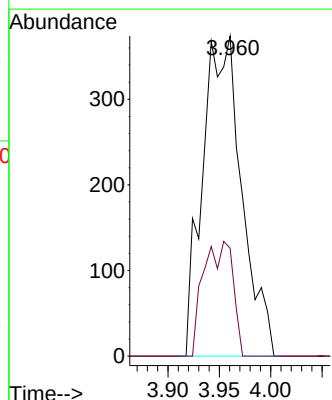
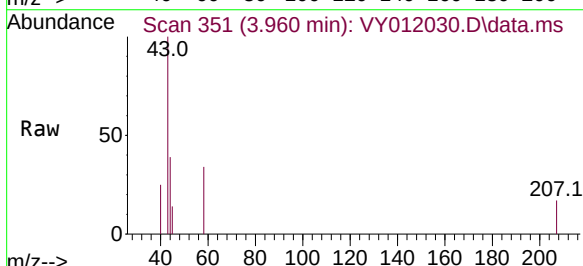
Acq: 29 Dec 2022 16:02

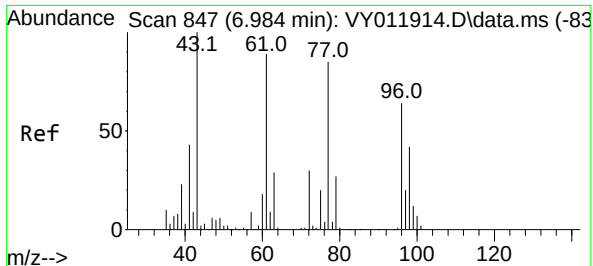
Tgt Ion: 43 Resp: 988

Ion Ratio Lower Upper

43 100

58 33.7 27.9 41.9





#25

2-Butanone

Concen: 1.269 ug/l

RT: 6.990 min Scan# 847

Delta R.T. 0.006 min

Lab File: VY012030.D

Acq: 29 Dec 2022 16:02

Instrument :

MSVOA_Y

ClientSampleId :

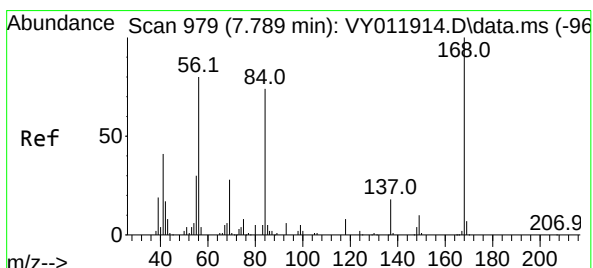
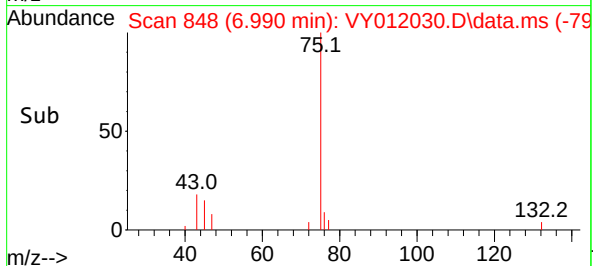
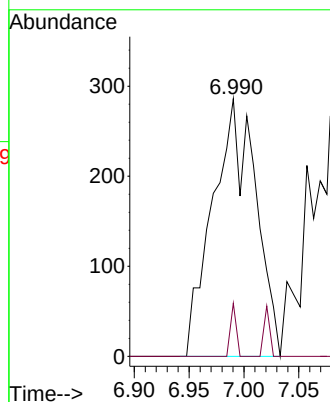
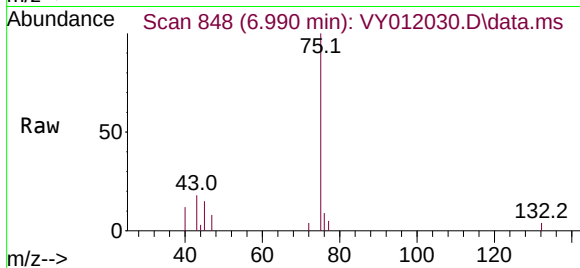
TP-4

Tgt Ion: 43 Resp: 780

Ion Ratio Lower Upper

43 100

72 20.6 22.6 34.0#



#31

Cyclohexane

Concen: 1.094 ug/l

RT: 7.789 min Scan# 979

Delta R.T. 0.006 min

Lab File: VY012030.D

Acq: 29 Dec 2022 16:02

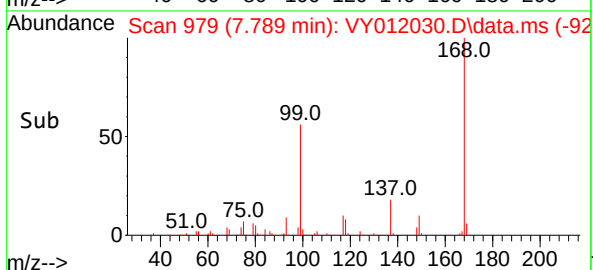
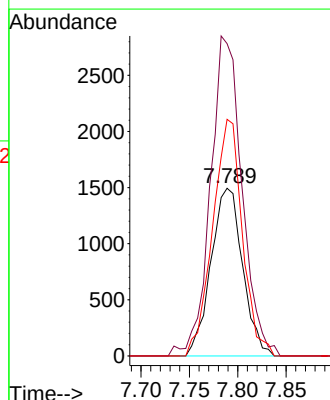
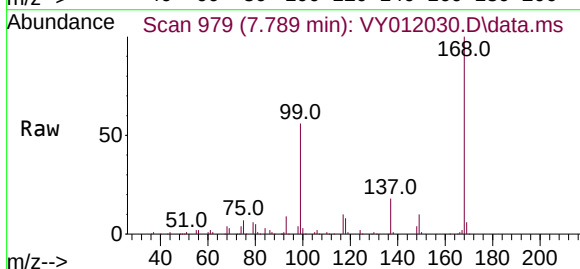
Tgt Ion: 56 Resp: 3396

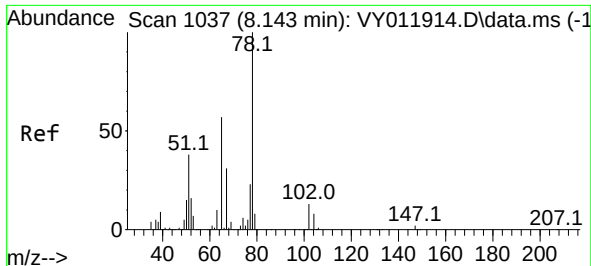
Ion Ratio Lower Upper

56 100

69 186.2 29.2 43.8#

84 141.1 72.6 108.8#





#33

1,2-Dichloroethane-d4

Concen: 57.540 ug/l

RT: 8.143 min Scan# 1037

Delta R.T. -0.000 min

Lab File: VY012030.D

Acq: 29 Dec 2022 16:02

Instrument :

MSVOA_Y

ClientSampleId :

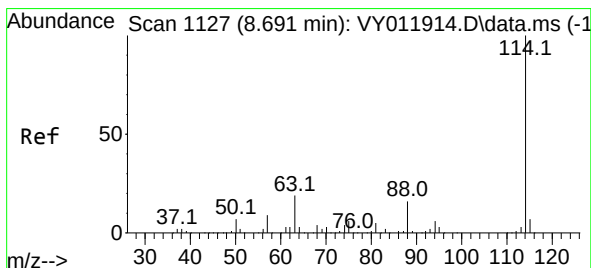
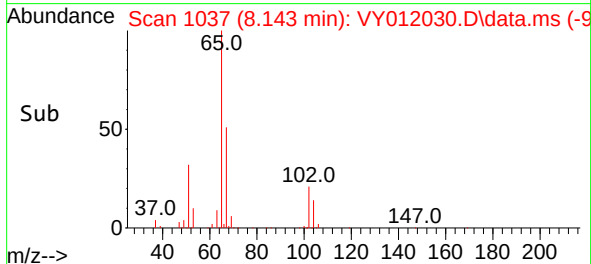
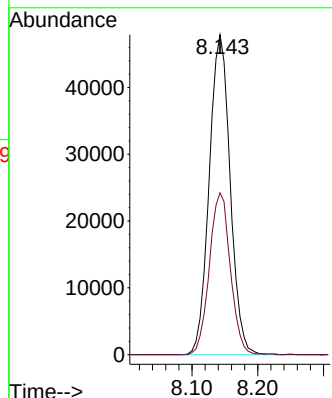
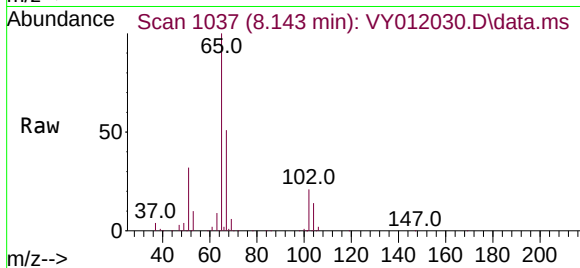
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Tgt Ion: 65 Resp: 106149

Ion Ratio Lower Upper

65 100

67 50.6 0.0 103.2



#34

1,4-Difluorobenzene

Concen: 50.000 ug/l

RT: 8.691 min Scan# 1127

Delta R.T. 0.000 min

Lab File: VY012030.D

Acq: 29 Dec 2022 16:02

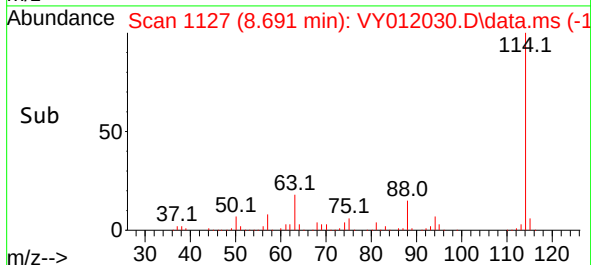
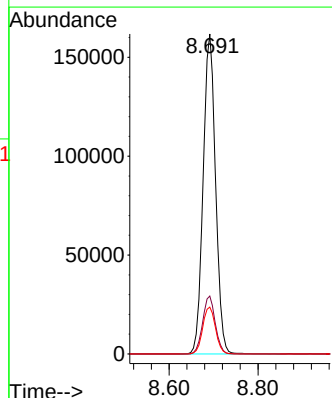
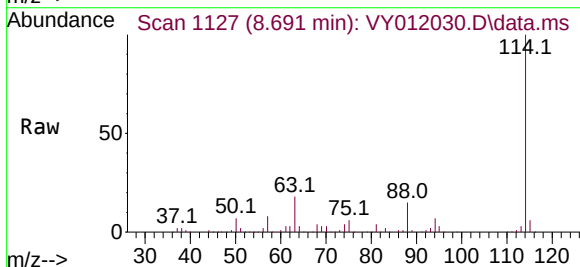
Tgt Ion: 114 Resp: 314875

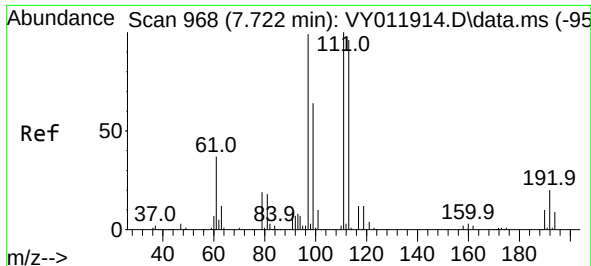
Ion Ratio Lower Upper

114 100

63 18.1 0.0 39.6

88 14.6 0.0 32.2

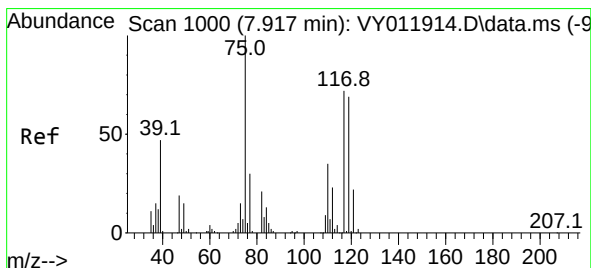
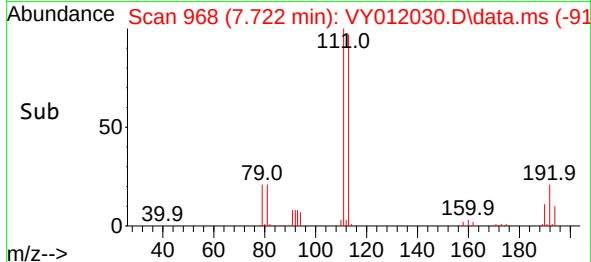
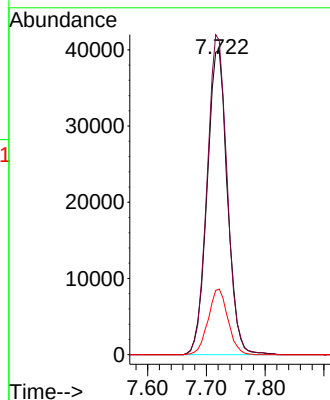
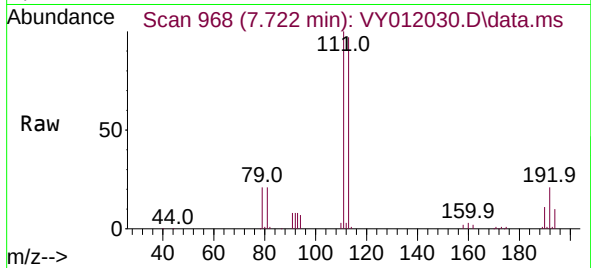




#35
Dibromofluoromethane
Concen: 50.651 ug/l
RT: 7.722 min Scan# 910
Delta R.T. 0.006 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

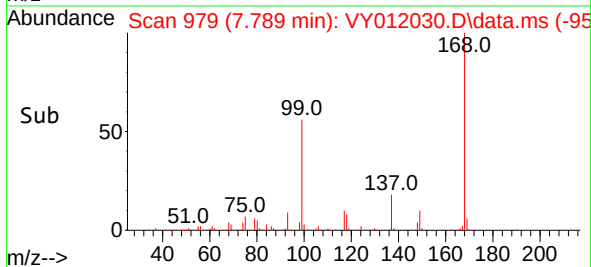
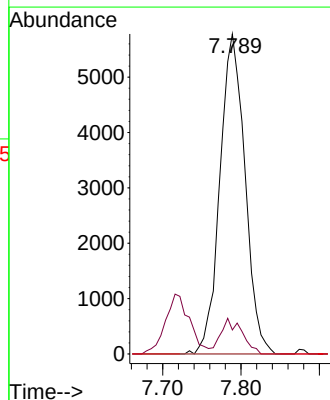
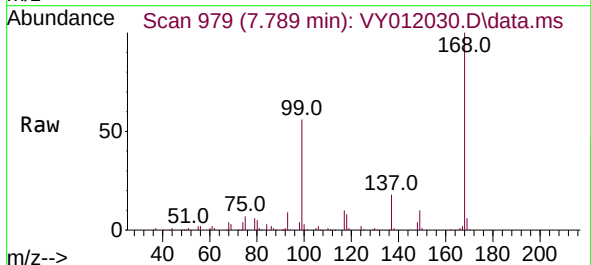
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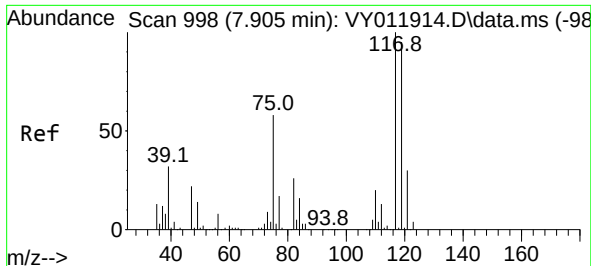
Tgt Ion:113 Resp: 96016
Ion Ratio Lower Upper
113 100
111 103.7 83.0 124.4
192 21.0 16.0 24.0



#36
1,1-Dichloropropene
Concen: 4.225 ug/l
RT: 7.789 min Scan# 979
Delta R.T. -0.128 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

Tgt Ion: 75 Resp: 12848
Ion Ratio Lower Upper
75 100
110 9.5 18.1 54.1#
77 0.0 25.1 37.7#

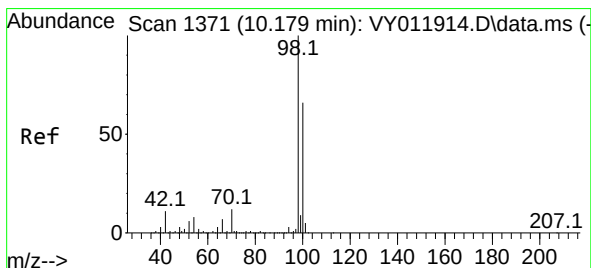
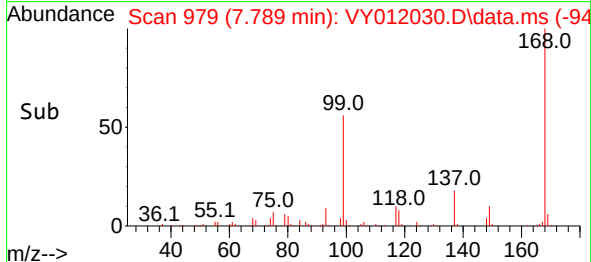
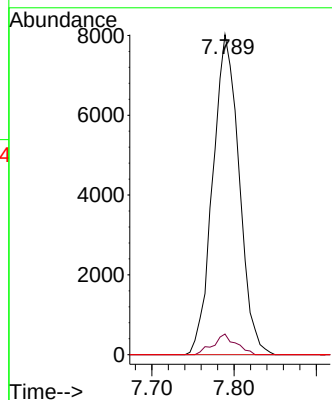
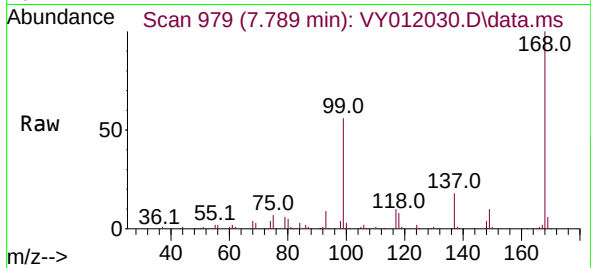




#38
Carbon Tetrachloride
Concen: 5.072 ug/l
RT: 7.789 min Scan# 91
Delta R.T. -0.116 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

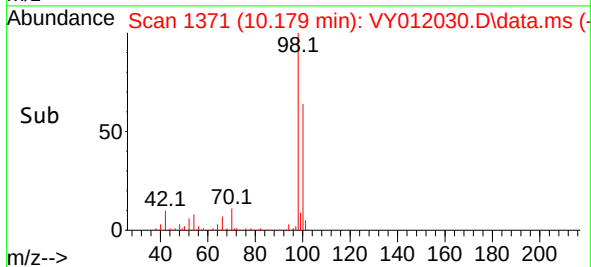
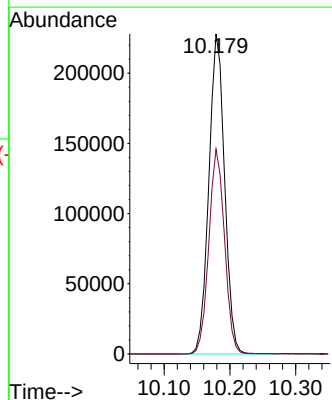
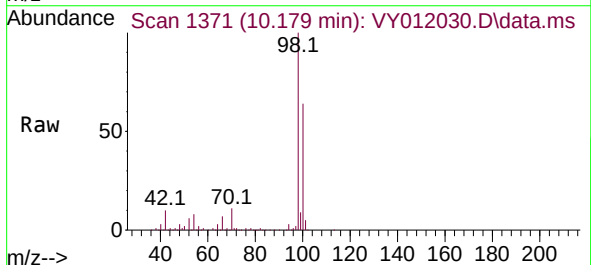
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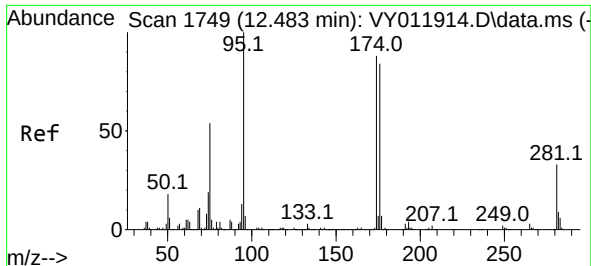
Tgt Ion:117 Resp: 17811
Ion Ratio Lower Upper
117 100
119 6.4 73.8 110.8#
121 0.0 25.2 37.8#



#50
Toluene-d8
Concen: 49.381 ug/l
RT: 10.179 min Scan# 1371
Delta R.T. -0.000 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

Tgt Ion: 98 Resp: 379788
Ion Ratio Lower Upper
98 100
100 63.9 51.9 77.9

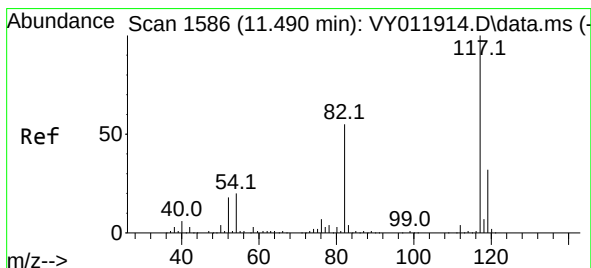
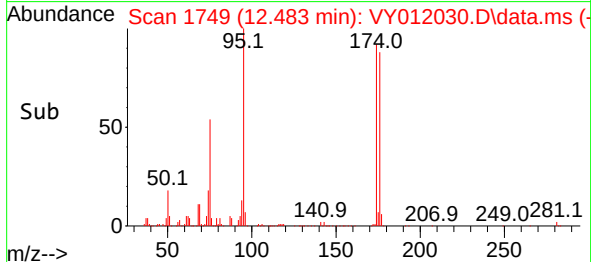
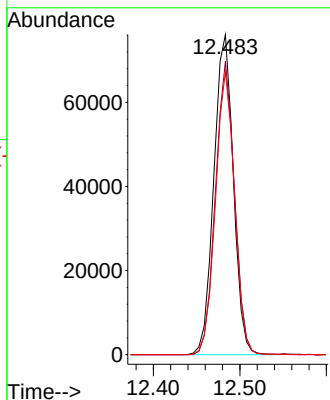
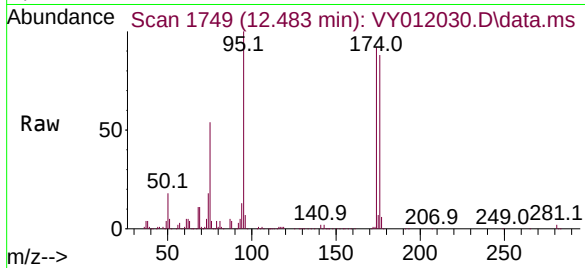




#62
4-Bromofluorobenzene
Concen: 46.003 ug/l
RT: 12.483 min Scan# 11
Delta R.T. 0.000 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

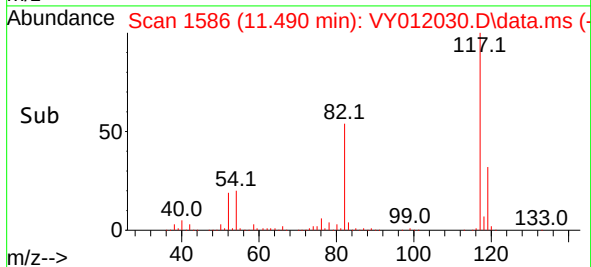
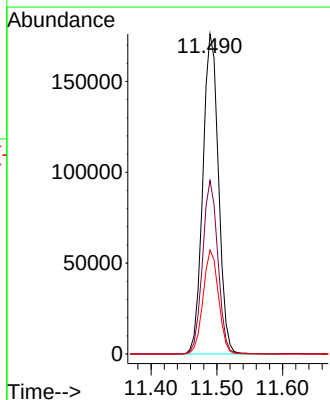
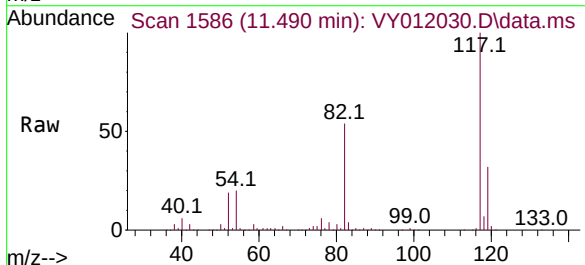
Instrument :
MSVOA_Y
ClientSampleId :
TP-4

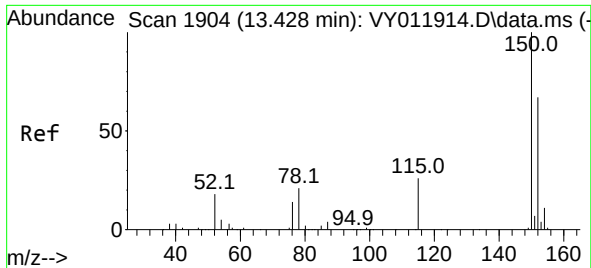
Tgt Ion: 95 Resp: 118993
Ion Ratio Lower Upper
95 100
174 89.6 0.0 172.0
176 87.2 0.0 167.6



#63
Chlorobenzene-d5
Concen: 50.000 ug/l
RT: 11.490 min Scan# 1586
Delta R.T. -0.000 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

Tgt Ion: 117 Resp: 291269
Ion Ratio Lower Upper
117 100
82 54.2 44.8 67.2
119 32.5 25.4 38.2

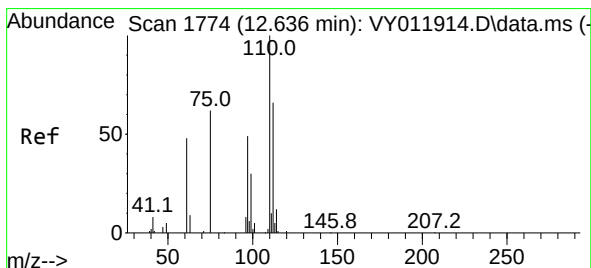
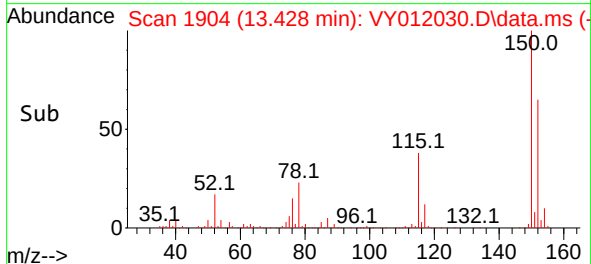
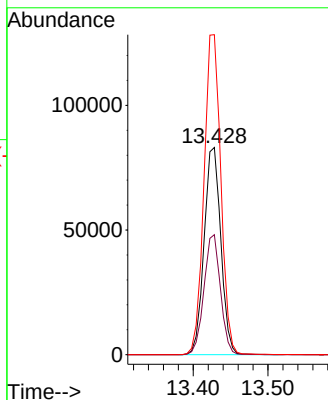
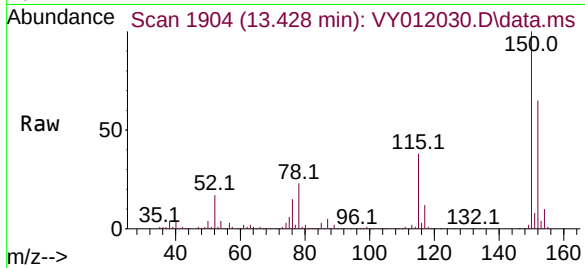




#72
 1,4-Dichlorobenzene-d4
 Concen: 50.000 ug/l
 RT: 13.428 min Scan# 1904
 Delta R.T. -0.000 min
 Lab File: VY012030.D
 Acq: 29 Dec 2022 16:02

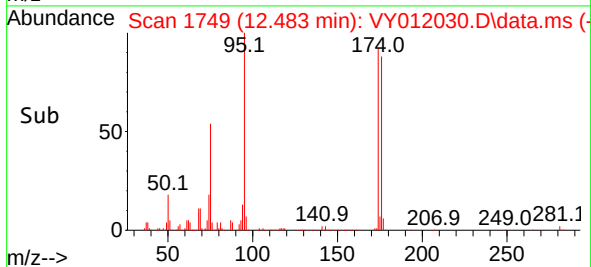
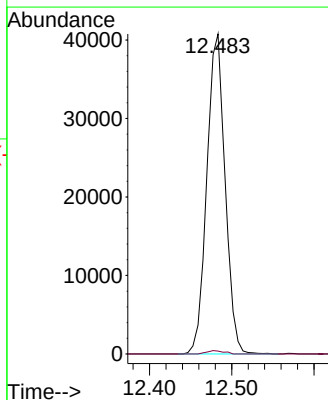
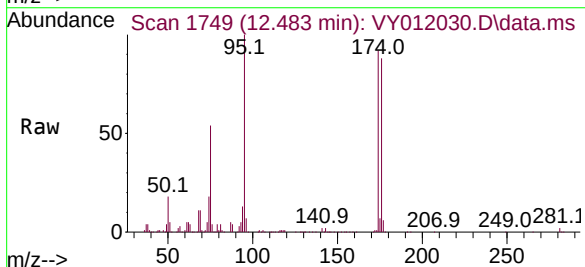
Instrument :
 MSVOA_Y
 ClientSampleId :
 TP-4

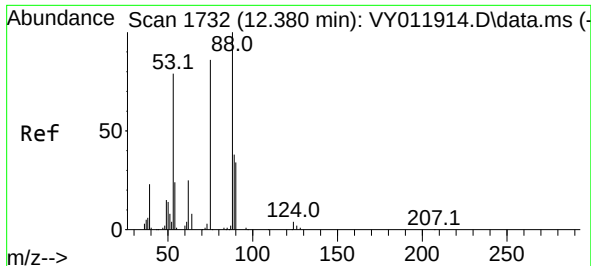
Tgt Ion:152 Resp: 129078
 Ion Ratio Lower Upper
 152 100
 115 57.1 29.1 87.3
 150 155.6 0.0 342.6



#76
 1,2,3-Trichloropropane
 Concen: 39.155 ug/l
 RT: 12.483 min Scan# 1749
 Delta R.T. -0.152 min
 Lab File: VY012030.D
 Acq: 29 Dec 2022 16:02

Tgt Ion: 75 Resp: 62890
 Ion Ratio Lower Upper
 75 100
 77 1.0 0.0 0.0#

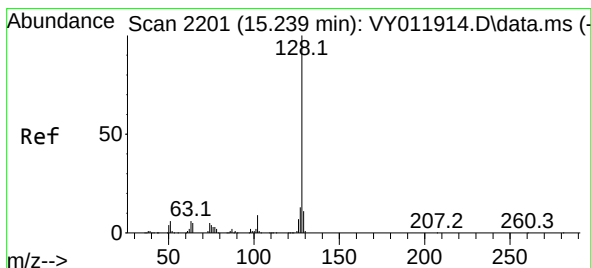
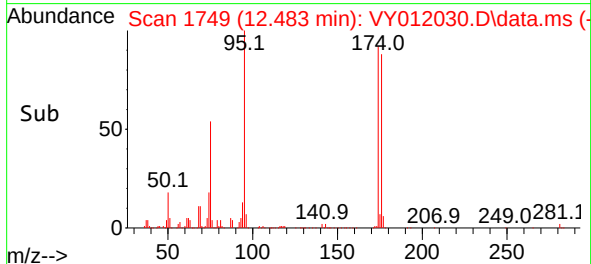
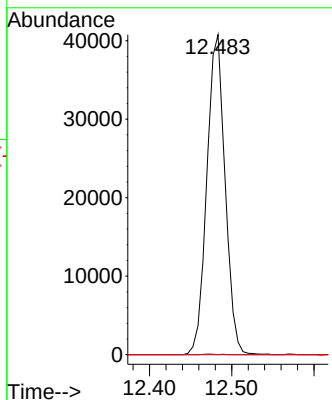
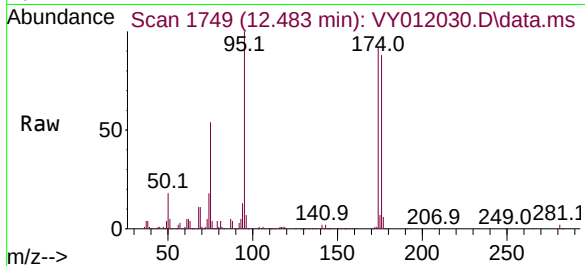




#81
trans-1,4-Dichloro-2-butene
Concen: 107.227 ug/l
RT: 12.483 min Scan# 1749
Delta R.T. 0.104 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

Instrument :
MSVOA_Y
ClientSampleId :
TP-4

Tgt Ion: 75 Resp: 62890
Ion Ratio Lower Upper
75 100
53 0.2 72.5 108.7#
89 0.0 37.0 55.4#



#95
Naphthalene
Concen: 2.844 ug/l
RT: 15.233 min Scan# 2200
Delta R.T. -0.006 min
Lab File: VY012030.D
Acq: 29 Dec 2022 16:02

Tgt Ion: 128 Resp: 332
Ion Ratio Lower Upper
128 100
127 0.0 10.2 15.2#
129 0.0 8.8 13.2#

